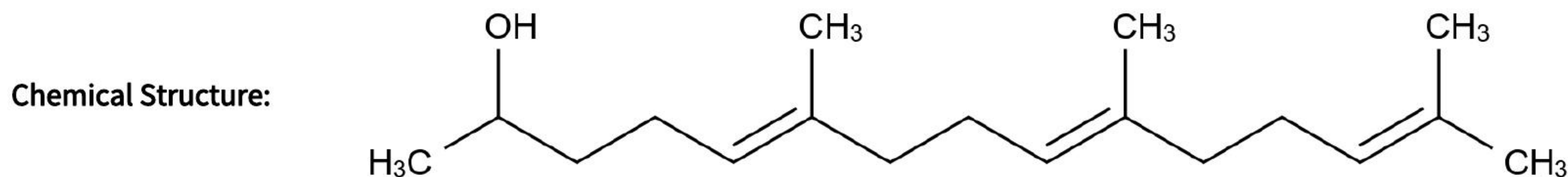


Certificate of Analysis

Reference Material & Standard

Product Name:	Vitamin K2 Impurity 13	Catalogue Number:	C4X-207613
Synonyms:	N/A	Lot Number:	0427-RH-0193
CAS Number:	587888-42-4	Expiry Date:	Dec 10, 2028
Molecular Formula:	C ₁₈ H ₃₂ O	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	264.45	Shipping Condition:	Shipping at Room Temperature



Test Items	Method	Results
Appearance	Visual inspection	Colourless Oil
Identification	HRMS&UV&HNMR	Confirmed
Purity	HPLC	98.870%
Water Content	Karl Fischer	0.08%
Residual Solvents	NMR	Not detected in NMR
Assay		98.8%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Water Content} - \text{Residual Solvents}) * \text{Purity HPLC (\%)} / 100\%$$

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Reviewed by:

Approved by General Manager:

Date: Apr 28, 2026

Date: Apr 28, 2026

Date: Apr 28, 2026

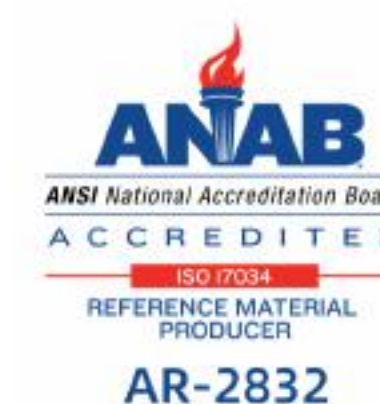
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